

13 th STREET

(E) PARKWAY
(E) SIDEWALK
PROPERTY LINE

(E) BLEACHERS

1
L-1

IRRIGATION PLAN

CA BRILLO AVENUE

EXISTING FOOTBALL FIELD

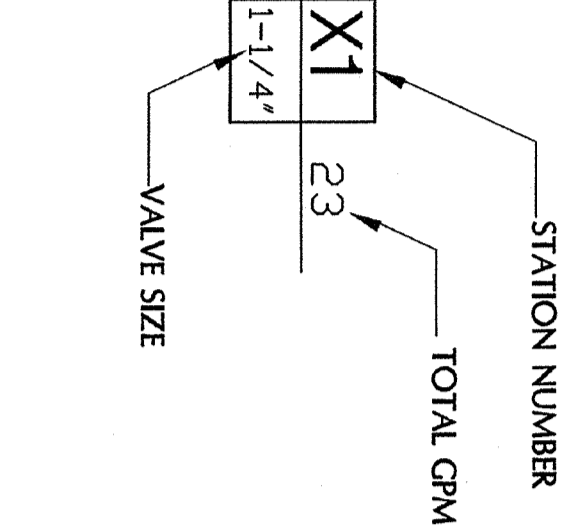
SYMB.	DESCRIPTION	MANUFACTURER & MODEL	PSI.	G.P.M.	RAD.	DET.	NOTES
○	STREAM RUBBLER HEAD	RAINBIRD 5H-B 1/2 ARC	30 PSI	1.0	6'	1/4-L-3	ARC AS NOTED
△	1/4" 1/2" FULL POP-UP SHRUB HEAD 9"	RAINBIRD 1806-9AM-5 MPR SERIES	30 PSI	10, 20, 41	9'	6/1-L-3	ARC AS NOTED
▽	1/4" 1/2" POP-UP SHRUB HEAD 12"	RAINBIRD 1806-12 MPR SERIES	30 PSI	65, 130	12'	6/1-L-3	ARC AS NOTED
⊙	1/4" 1/2" POP-UP TURF HEAD 12"	RAINBIRD 1804-12 MPR SERIES	30 PSI	65, 130	12'	6/1-L-3	ARC AS NOTED
⊖	BACKFLOW PREVENTER	FEBCO 8657 1"	7/1-L-3				SIZE PER LINE
⊕	BRASS BALL VALVE - LINE SIZE	WATT OR EQUAL	7/1-L-3				SIZE PER LINE
⊖	REMOTE CONTROL VALVE	RAINBIRD EFB-CP SERIES	1/1-L-3				SIZE PER LINE
⊕	QUICK COUPLER	RAINBIRD 339RC	2/1-L-3				SIZE PER LINE
—	NON-PRESSURE LATERAL LINE	RIGID PVC SCHEDULE 40	5/1-L-3				SIZE PER SIZING CHART
—	PRESSURIZED MAINLINE	RIGID PVC SCHEDULE 40	5/1-L-3				SIZE PER PLAN
—	LINE UNDER PAVING	TYPE K SOLDERED COPPER	3/1-L-3				SIZE PER PLAN
—	SLEEVE	RIGID PVC SCHEDULE 40	5/1-L-3				SIZE PER PLAN
—	AUTOMATIC CONTROLLER ASSEMBLY	RAINBIRD ESP-4	4/1-L-3				W/ OUTDOOR CABINET

IRRIGATION LEGEND

PIPE SIZING CHART (SCALE PFD)

UP TO 5	PIPE SIZE
5 - 8	3/4"
9 - 12	1"
13 - 22	1-1/4"
23 - 30	1-1/2"
31 - 50	2"
51 - 70	2-1/2"
71 - 110	NONE

ALL NON-PRESSURE LATERALS SHALL BE SIZED BY THE CONTROLLER ASSEMBLY TO THE SERVICE STRAIGHT.



4 STATION CONTROLLER
115 V. 60 CYCLE 2 AMP ELECT.
EXACT LOCATION TO BE DETERMINED IN FIELD

B4
1-1/4"

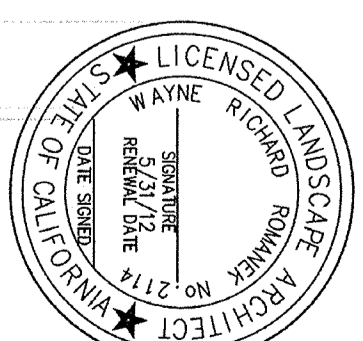
B3
1-1/4"

B2
1-1/4"

B1
1"

EXISTING COMMUNITY BUILDING TO REMAIN

City of Los Angeles
Department of Planning and Safety
Division of Public Works
This set of plans was prepared by Rodin Associates, Inc. under contract to the City of Los Angeles. The City of Los Angeles is not responsible for the accuracy or completeness of the information provided herein. The City of Los Angeles is not responsible for the accuracy or completeness of the information provided herein. The City of Los Angeles is not responsible for the accuracy or completeness of the information provided herein.



Consultant
CARTER, ROMANEK
Landscape Architects, Inc.
11110 Ohio Avenue, Suite 102
Los Angeles, California 90025
(310) 477-3900 fax (310) 477-3977
email: info@crla.com

REVISIONS				REVISIONS			
NO.	DATE	ITEM	BY	NO.	DATE	ITEM	BY
1	02-27-04	LAST DISTRIBUTION	JCR	2	06-30-05	PARK REVISIONS	JCR
2	04-02-05	REC. # PARKS REVIEW	JCR	3	02-09-05	PARK REVISIONS	JCR
3	03-02-05	REC. # PLAN CHECK	JCR				
4	03-10-05	REC. # PARKS REVISION	JCR				

Rodin Associates

Jerry C. Rodin, Architect, AIA

29000 S. WESTERN AVENUE, SUITE 408
RANCHO PALOS VERDES, CA 90275
OFFICE: (310) 832-3135
FAX: (310) 832-0333
E-MAIL: jcrodin@sbcglobal.net

DANIELS FIELD SKATE PARK & SPORTS CENTER DESIGN FOR:
THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS
BOYS & GIRLS CLUB OF SAN PEDRO
MIKE LANGING, EXECUTIVE DIRECTOR
1200 S. CABRILLO AVENUE SAN PEDRO, CA 90731
(310) 833-0807 OFFICE (310) 833-4253 FAX
SITE: 845 W. 12th STREET, SAN PEDRO, CA 90731

IRRIGATION PLAN



L-1

04/06/2012

RA-2002-005

RODIN ASSOCIATES, JERRY C. RODIN, ARCHITECT, AIA, EMPLOYER, RESERVES THEIR COPYRIGHT AND OTHER PROPRIETARY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WITHOUT THE WRITTEN PERMISSION AND CONSENT OF RODIN ASSOCIATES, JERRY C. RODIN, ARCHITECT, AIA. SHOULD UNAUTHORIZED REUSE BY A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF RODIN ASSOCIATES, JERRY C. RODIN, ARCHITECT, AIA, BECAUSE UNAUTHORIZED REUSE BY A THIRD PARTY OCCUR, RODIN ASSOCIATES, JERRY C. RODIN, ARCHITECT, AIA SHALL BE HELD HARMLESS.

IRIGATION SPECIFICATIONS:

1. Check and verify all site conditions, utilities and services prior to trenching.
2. Plans are diagrammatic and approximate. All valves shall be located in plant area and all piping shall be installed in planting areas except where it is infeasible to do so.
3. Coordinate irrigation work with planting plans to avoid conflicting locations between piping and planting sites.
4. All materials shall be installed as detailed on the drawings. If the construction drawings do not thoroughly describe the methods or techniques to be used, then the Contractor shall follow the installation methods issued by the manufacturer. In no case shall the Contractor install materials where it is obvious discrepancies exist between the drawings and local site conditions. Any such discrepancies shall be brought to the attention of the Owner immediately.
5. Materials workmanship and installation shall be in accordance with local codes and standards. The Contractor shall be responsible for obtaining all necessary permits and approvals between the drawings and local codes. Any such discrepancies shall be brought to the attention of the Owner immediately.
6. Where trees, light standards, etc. are an obstruction to spray patterns, piping and sprinkler heads shall be adjusted and/or relocated as necessary to obtain full coverage without excessive overwatering. Do not exceed spacing shown on the drawings.
7. If it becomes necessary to relocate or alter sprinkler heads, valves, piping, etc. due to changes in site conditions, the Contractor shall obtain approval from the Owner prior to starting any revisions.
8. Control wire is not shown on the drawings for clarity, but shall be installed in a common trench with the irrigation mainline wherever possible.
9. All control wire under any pavement shall be installed in PVC electrical sleeve. All control wire passing through or below any building structure shall be located in electrical conduit.
10. Control wiring shall be 14 ga. AWU-GF direct burial wire. Control wires shall be black, common wires white. There are to be no splices between controller and valve box. All splices to valve boxes shall be waterproofed using a standard, heat-shrinkable Connector or Insular heat shrink tubing and housed in the valve box. Provide 12" expansion loop at each splice.
11. Install quick-coupler valves next to walks for ease of access.

PLANTING SPECIFICATIONS:

12. All valves are to be located in valve boxes as detailed. Standard valve box fill with valve station number. Provide 1/2" coarse gravel at base of valve box as detailed. Provide Christy's yellow polyethylene bags rotting valve number to each valve.
13. Connect all valves to the controller in the sequence noted on plans. Connect valves to existing controllers to the new available stations. Any changes from the sequence shown on plans must be approved by the Owner and shown on the irrigation as-built drawings and controller chart.
14. Type K Copper or Schedule 40 galvanized as permitted by local code. All galvanized pipe shall be wrapped for below grade installation. In no case shall descaler materials be installed in contact with each other without an anti-electrolysis fitting.
15. Non-pressure PVC plastic lateral line pipe and fittings shall be guaranteed using 100% active solvent, blue PVC. Pressure PVC pipe shall be coated with a primer and then cemented with PVC solvent. All primer and solvent shall be manufactured by Christy's.
16. Gate valves shall be 150 pound rated brass body, screw joints, non-rising stem, screwed bonnet, solid disc, supplied with handle wheel.
17. After all sprinkler lines and risers are in place and connected, and prior to the installation of any heads, thoroughly flush all lines with a full head of water.
18. Test all pressure supply lines using hydrostatic hand pump at a pressure of 150 pounds for a period of two hours. Maximum acceptable pressure loss is two pounds over entire testing period.
19. Backfill for all treecases shall be clean, granular soil free of rocks larger than 2" maximum diameter, or clean imported sand.
20. After installation of heads, adjust all heads for alignment and spray balance starting at the head farthest from the valve. Adjust valve flow control to minimize overspray, if necessary.
21. Upon completion of installation, provide to Owner's maintenance personnel the following:
 - a. Complete and accurate as built plans.
 - b. Fabric laminated controller chart.
 - c. Two seed waterers.
 - d. One 20' tree saw.
 - e. Two keys for controller cabinet.
22. Upon completion of work, restore ground surfaces to required elevations and remove and properly dispose of excess materials, soil and rock, and debris from the site to the satisfaction of the Owner.

PLANTING SPECIFICATIONS:

23. Upon completion of work, the Owner shall inspect the project. Perform an irrigation coverage test if requested by the Owner, and make any adjustments directed.
24. The irrigation system shall be guaranteed against defects in materials and workmanship for a period of one year from the date of final acceptance by the Owner.

PLANTING SPECIFICATIONS:

1. The Contractor shall be responsible for planting all plant material as shown on the drawings.
2. All plant materials shall be approved by the Owner or his assigned representative on the site prior to planting. Plants where a selection shall consist of a minimum of three trunks growing from a single crown. Materials are not acceptable. Any substitutions must be approved by the Owner prior to shipment of plants to the job site. The Contractor shall assume full responsibility for the performance of substituted varieties.
3. The Contractor shall submit color photographs of all plant material 15 gallon size and larger to the Landscape Architect for preliminary approval. Include a typewritten list indicating nurseries where plants may be inspected including phone numbers and person to contact.
4. The Contractor shall perform water penetration tests prior to installing any plant material throughout the entire site as required by the Landscape Architect. Dig holes 3 feet by 3 feet by minimum 30 inches deep, fill with water and allow to completely drain. Refill with water and observe rate of drop over a minimum 24-hour period. Report results to the Landscape Architect. If any hole fails to drain less than one inch per hour over a 24-hour period, do not proceed with any planting without further direction from the Landscape Architect.
5. The work of this contract includes import of landscape topsoil fill for planters on grade. Soil fill for planters on grade shall be a natural, fibrous, sandy loam topsoil free from sticks, stones, foreign matter, alkali, or other harmful substances. It shall have an electrical conductivity of less than 1000. It shall have a sodium adsorption ratio of less than 5 as measured on the saturation extract. Boron in the saturation extract shall be less than one part per million. Particle size shall be such that a minimum of 50% of the topsoil is sand and not more than 35% is silt by the USDA classification. Silt/clay soils analysis to the Owner for verification. Topsoil shall be installed to achieve relative density of 85% to 90%.

PLANTING SPECIFICATIONS:

6. In all planting areas on grade add the following amendments per each 1000 square feet and trowel to a depth of 6":
 - 4 cu. yd. mulch/sawdust
 - 2 lb. soil sulfur
 - 1 lb. iron sulfate
 - 12-12-12 fertilizer
7. Plant pits for all shrubs and trees shall be dug to a minimum width of 2 times the container diameter and 1-1/2 times the container depth. Plants shall be set so that the root crown is equal to or up to 1" higher than existing soil grade. Do not allow root crowns to be lower than the surrounding grade.
8. Backfill for plant pits on grade shall be:
 - 6 parts by volume rized soil
 - 2 lb. / cu. yd. 12-12-12 fertilizer
 - 1 lb. / cu. yd. soil sulfur
 - 1/2 lb. / cu. yd. iron sulfate
9. Fill for all pre-cast and raised planters shall be:
 - 6 parts by volume rized soil
 - 2 parts by volume medium grade sand
 - 2 lb. / cu. yd. 12-12-12 fertilizer
10. Rake and smooth grade all planting areas, maintaining proper slope and smooth grade all planting areas, maintaining proper slope and all stones larger than 1/2" diameter from lawn areas.
11. Sod for turf areas shall be "Turfway" hybrid Bermuda and shall be guaranteed to be sound, healthy, vigorous, and free from roots, markings, weed seed, plant disease, and insects or their eggs. All sod shall be freshly cut and shall be fully protected from damage or drying in transit or after delivery. All sod shall be installed within 24 hours after being cut.
12. Stake or guy all trees as necessary for support and wind protection for replacement of any tree damaged by wind during the 12 month guarantee period.
13. All trees shall be staked or guyed as detailed, and nursery stakes shall be removed. All trees in lawn areas shall be installed with "Arbogard" type trunk protectors.
14. After completion of planting, apply a general purpose pre-emergent herbicide such as "Trihaler" or equal to all shrub and groundcover areas. Do not allow spray to drift over lawn areas.

PLANTING SPECIFICATIONS:

15. Upon completion of work, restore ground surfaces to required elevations and remove and properly dispose of excess materials, soil and rock, and all debris from the site to the satisfaction of the Owner.
16. Upon completion of work, participate in a pre-maintenance inspection with the Owner.
17. The Contractor shall provide as part of this contract, 90 days landscape maintenance. Maintenance shall include care and watering of plants and lawn. Maintenance shall also consist of weeding of trees and shrubs, insect and pest control, replacement of dead plant materials at no additional cost to the Owner, and general site clean-up. At the completion of the maintenance period, the Contractor shall apply one application of 16-6-6 fertilizer at the rate of 6 lbs. / 1000 sq. ft. to all planting areas including lawns and groundcover areas.
18. At the end of the maintenance period, the Contractor shall request and participate in a final inspection with the Owner.
19. All trees shall be guaranteed for a period of one year from the date of final acceptance by the Owner. All shrubs and groundcovers shall be guaranteed for a period of ninety days from the date of final acceptance by the Owner.

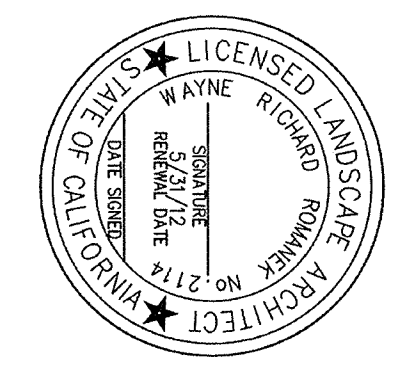
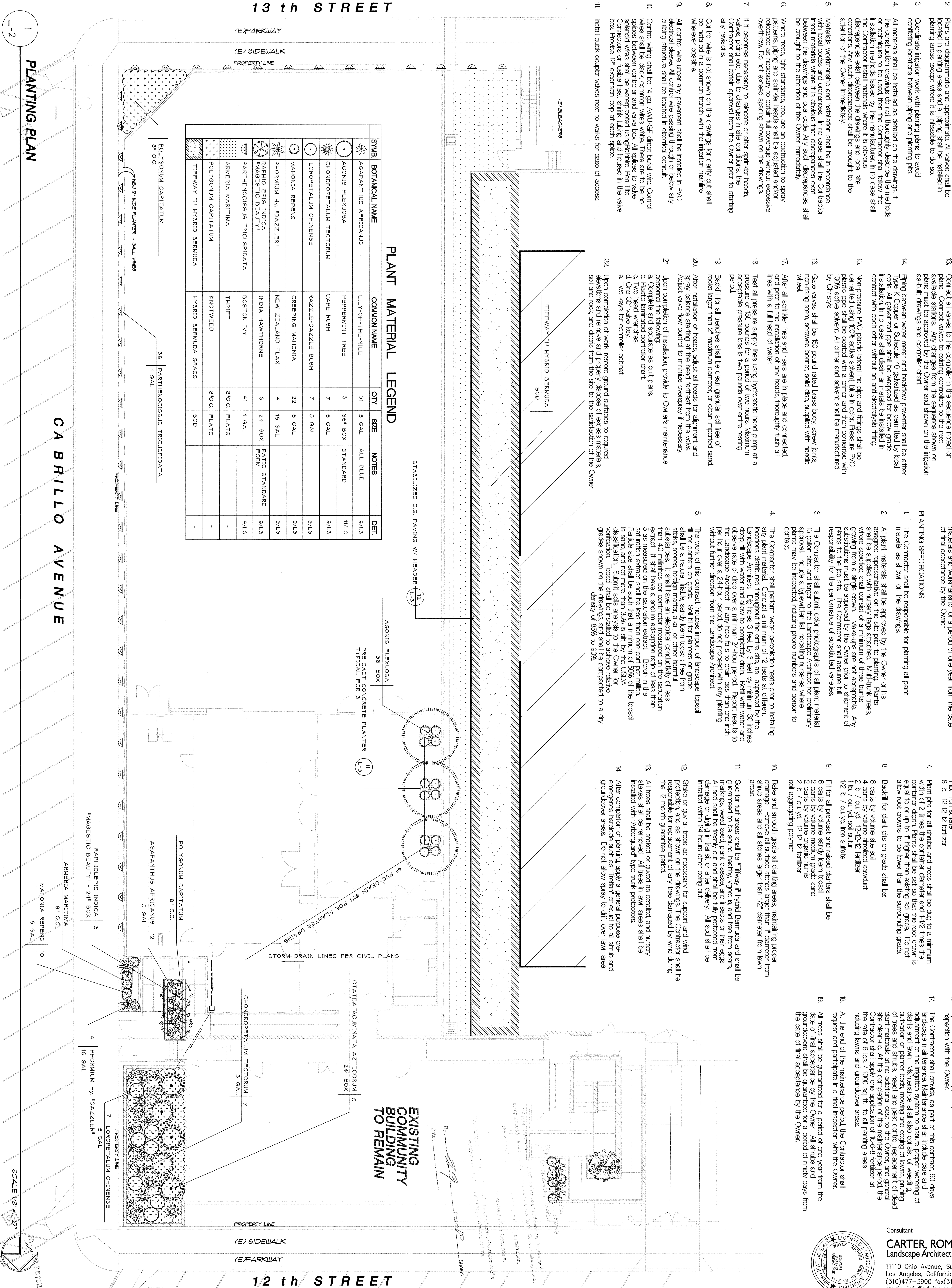
PLANT MATERIAL LEGEND

SYMB	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	NOTES	DET.
AGAN	AGAPANTHUS AFRICANUS	LILY-OF-THE-VALLEY	31	5 GAL	ALL BLUE	9/L/3
AGON	AGONIS FLEXUOSA	PEPERWINT TREE	3	36" BOX	STANDARD	11/L/3
CHON	CHONROPETALIUM TECTORIUM	CAPE RUSH	7	5 GAL		9/L/3
LOPE	LOPETALIUM CHINENSE	RAZZLE-DAZZLE BUSH	7	5 GAL		9/L/3
MAHO	MAHONIA REPENS	CREeping MAHONIA	22	5 GAL		9/L/3
PHOR	PHORUM Hy. "DAZZLER"	NEW ZEALAND FLAX	4	15 GAL		9/L/3
RAHIO	RAHIOLEPIS INDICA	INDIA HAWTHORNE	3	24" BOX	PATIO STANDARD	9/L/3
MAH	MAGESTIC BEAUTY™	BOSTON IVY	41	1 GAL		9/L/3
PARTE	PARTHENOCISSUS TRICUSPIDATA	THRIFT		8"OC. FLATS		-
ARNE	ARNERIA MARTINA	KNOTWEED		8"OC. FLATS		-
POLY	POLYGONUM CAPITATUM	HYBRID BERNUDA GRASS		8"OC. FLATS		-
TRIF	TRIFOLIUM HYBRID BERNUDA			SOD		-

CABRILLO AVENUE

13 th STREET

12 th STREET



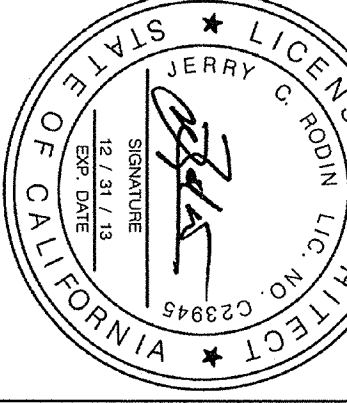
Consultant
CARTER, ROMANEK
 Landscape Architects, Inc.
 11110 Ohio Avenue, Suite 102
 Los Angeles, California 90025
 (310) 477-3900 fax (310) 477-3977
 email: info@crlainc.com

Rodin Associates
 Jerry C. Rodin, Architect, AIA

29000 S. WESTERN AVENUE, SUITE 408
 RANCHO PALOS VERDES, CA 90275
 OFFICE: (310) 832-3135
 FAX: (310) 832-0333
 E-MAIL: jrodin@sbcglobal.net

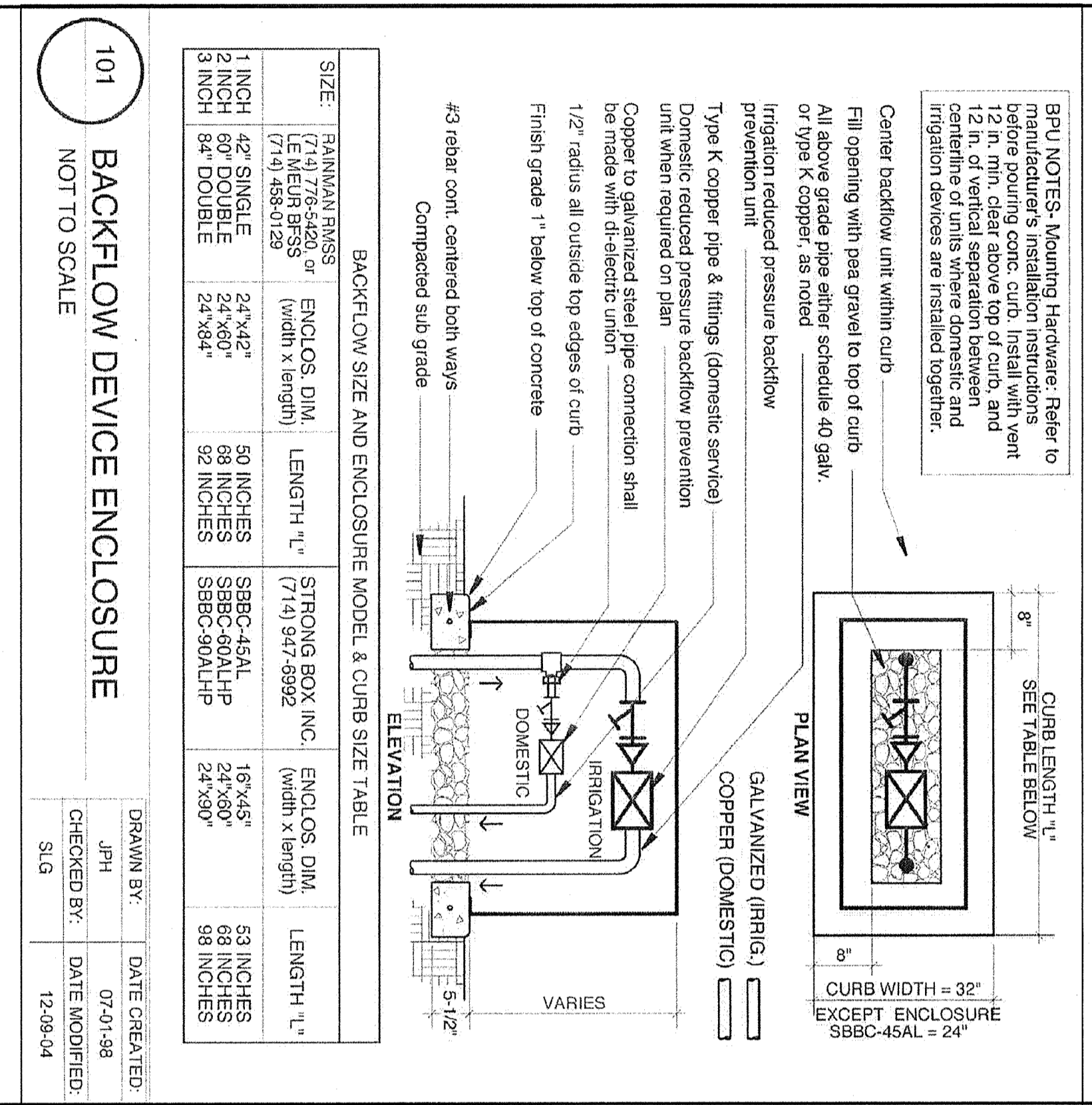
DANIELS FIELD SKATE PARK & SPORTS CENTER DESIGN FOR:
THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS
BOYS & GIRLS CLUB OF SAN PEDRO
 MIKE LANGING, EXECUTIVE DIRECTOR
 1200 S. CABRILLO AVENUE SAN PEDRO, CA 90713
 (310) 833-0801 OFFICE (310) 833-4253 FAX
 845 W. 12th STREET, SAN PEDRO, CA 90713
SITE

PLANTING PLAN

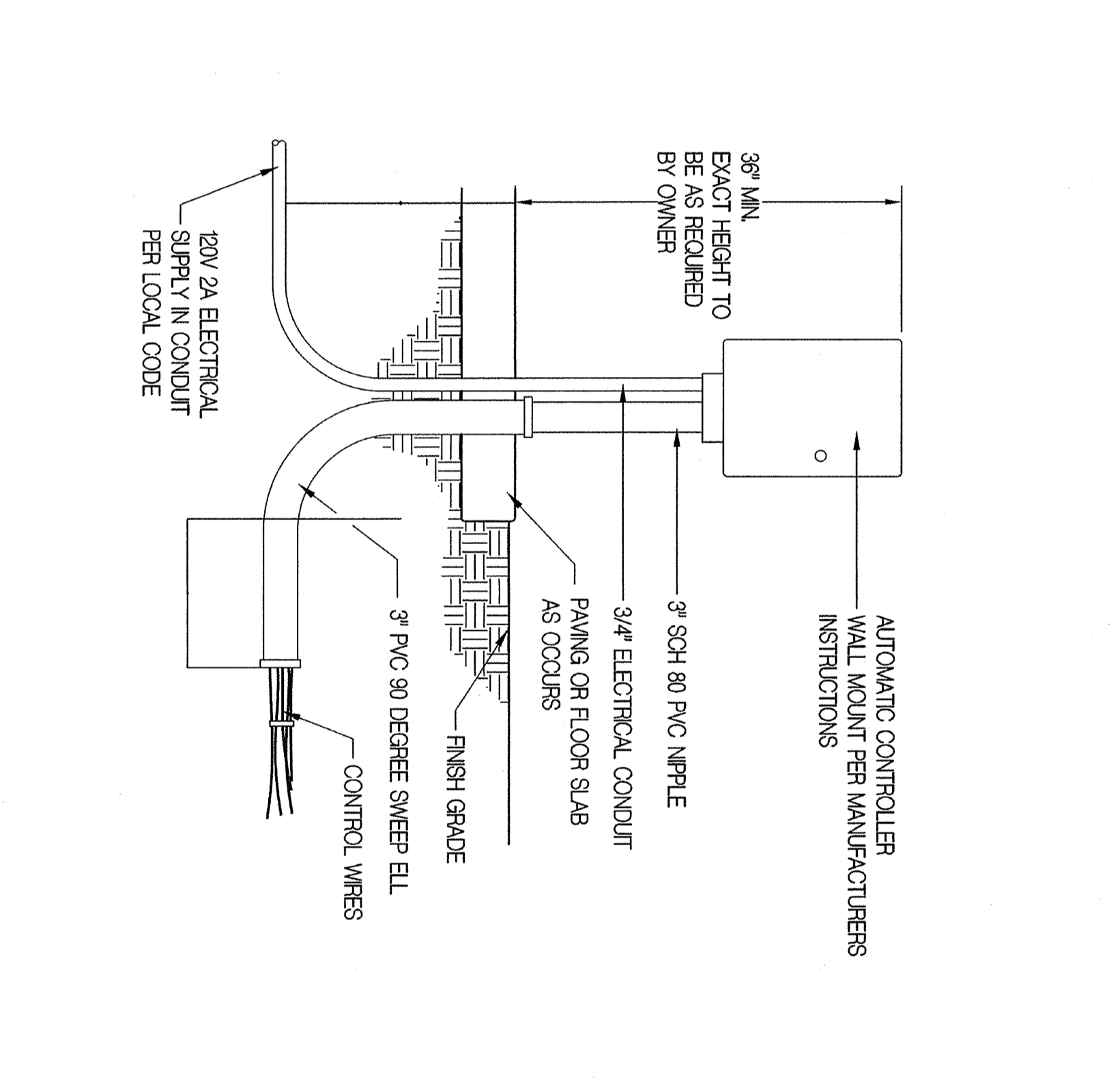


04/06/2012
 L-2
 RA-2002-005

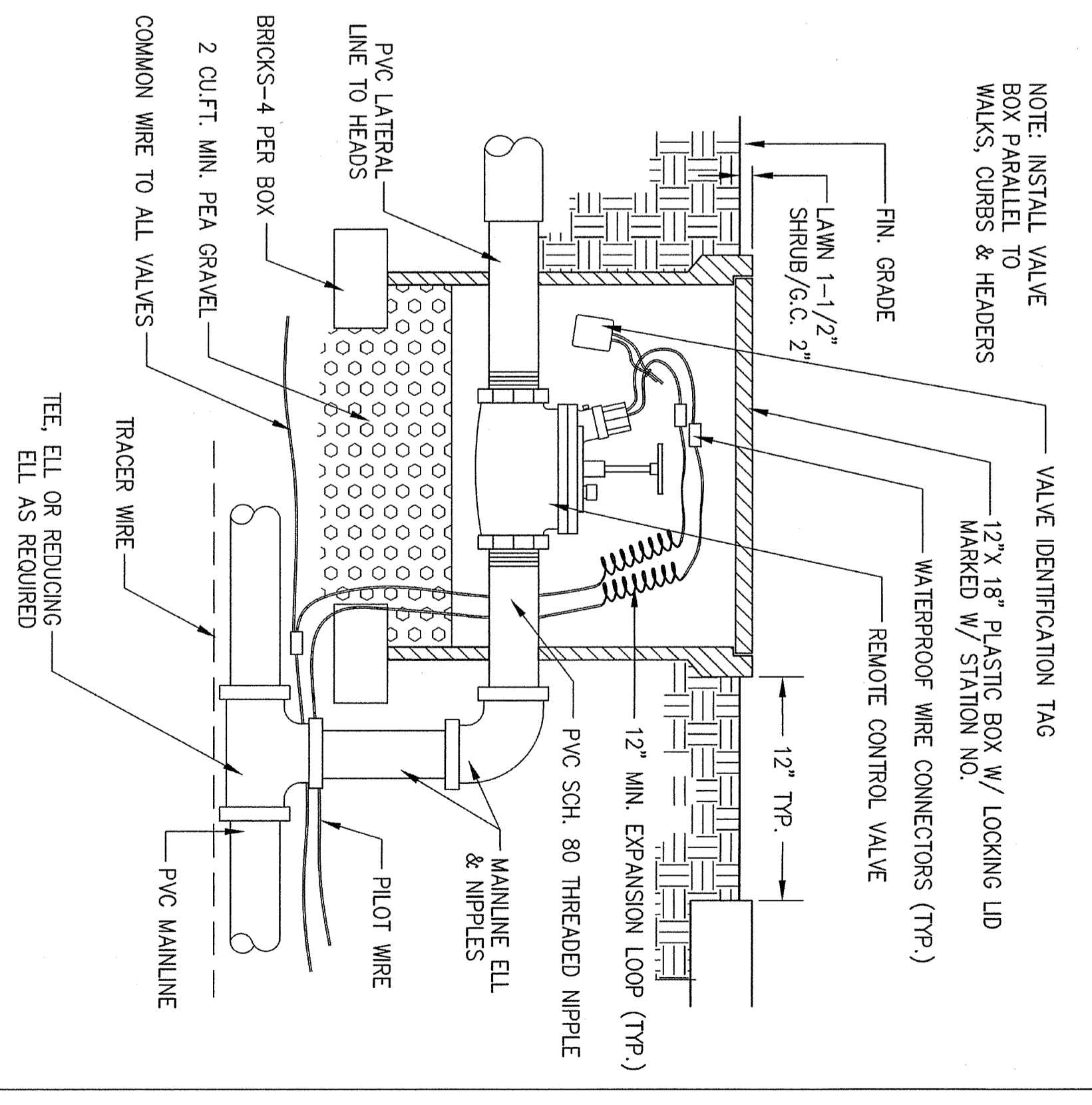
REVISIONS				REVISIONS			
NO.	DATE	ITEM	BY	NO.	DATE	ITEM	BY
1	11-20-04	LAST DISTRIBUTION	JCR	26	06-30-09	PARK REVISIONS	JCR
2	11-20-04	LAST DISTRIBUTION	JCR	27	06-30-09	PARK REVISIONS	JCR
3	11-20-04	LAST DISTRIBUTION	JCR	28	06-30-09	PARK REVISIONS	JCR
4	11-20-04	LAST DISTRIBUTION	JCR	29	06-30-09	PARK REVISIONS	JCR
5	11-20-04	LAST DISTRIBUTION	JCR	30	06-30-09	PARK REVISIONS	JCR



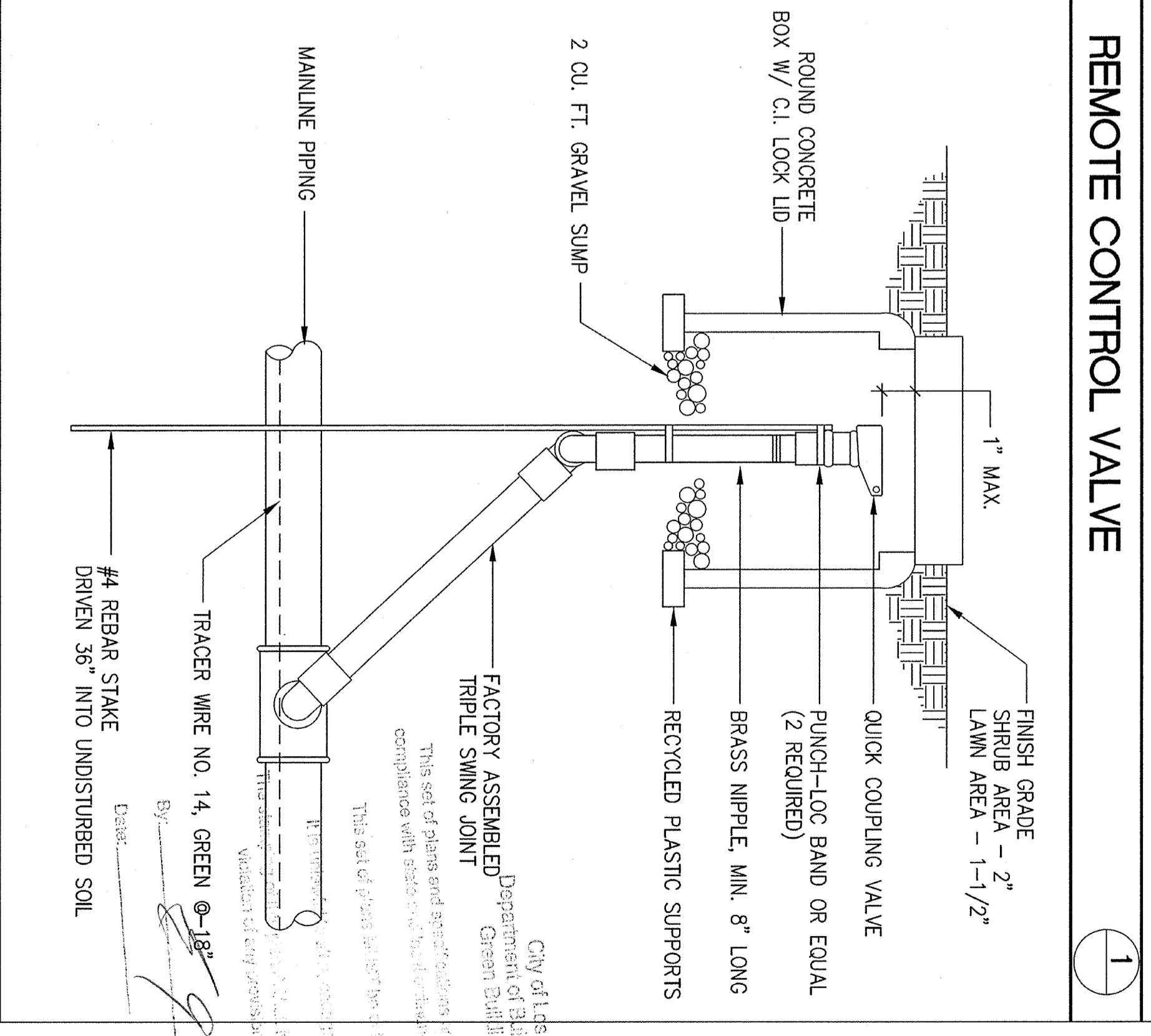
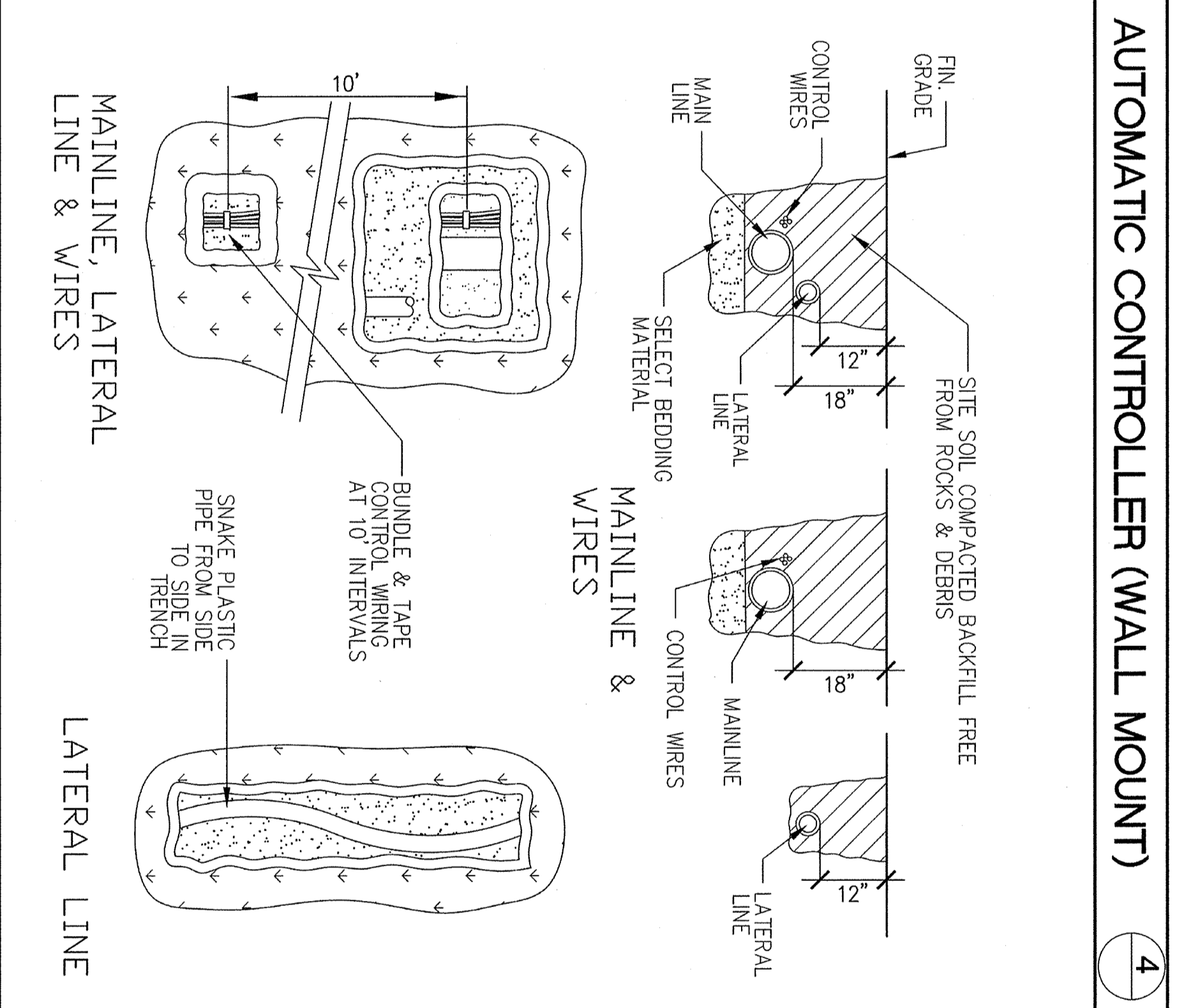
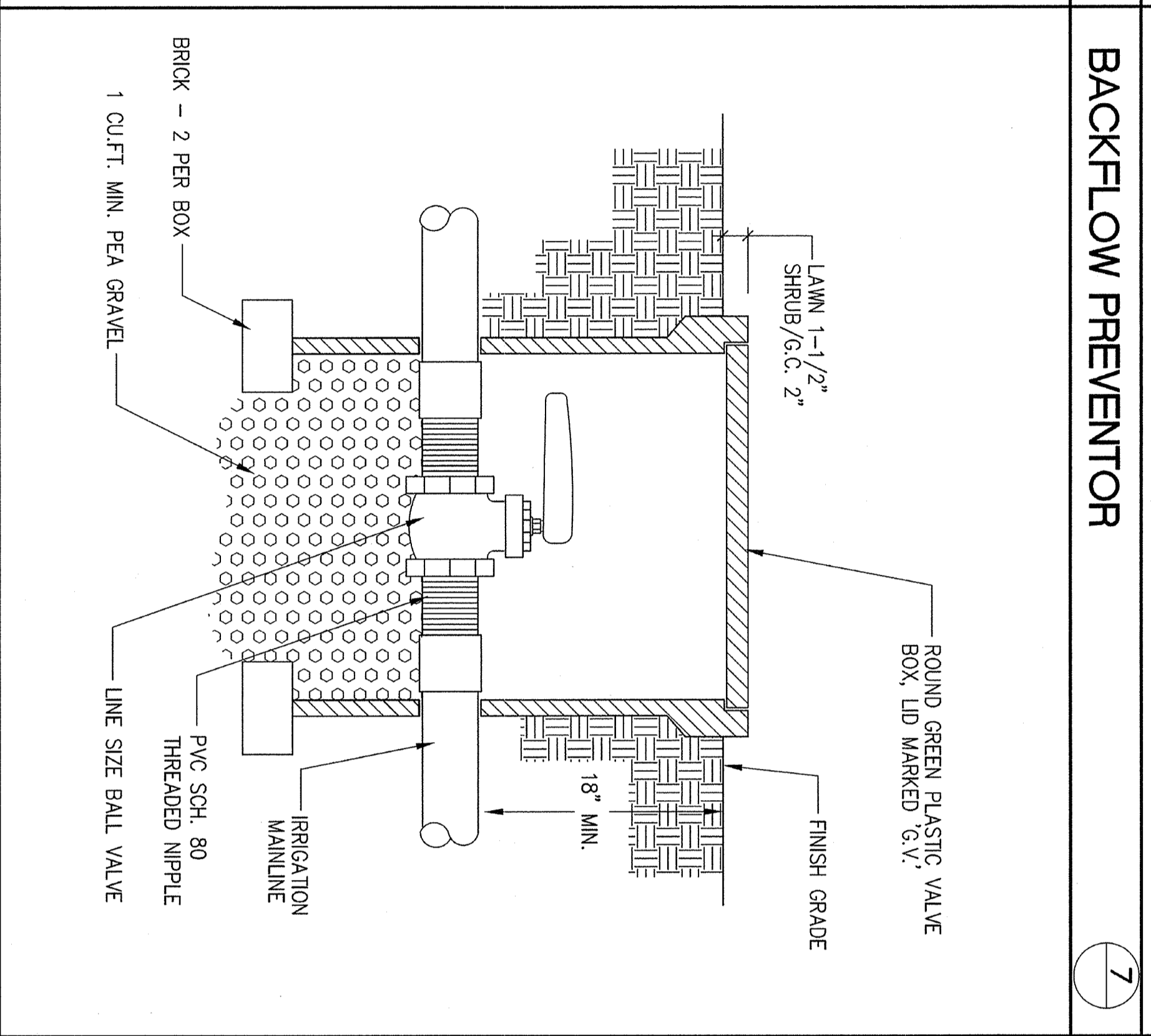
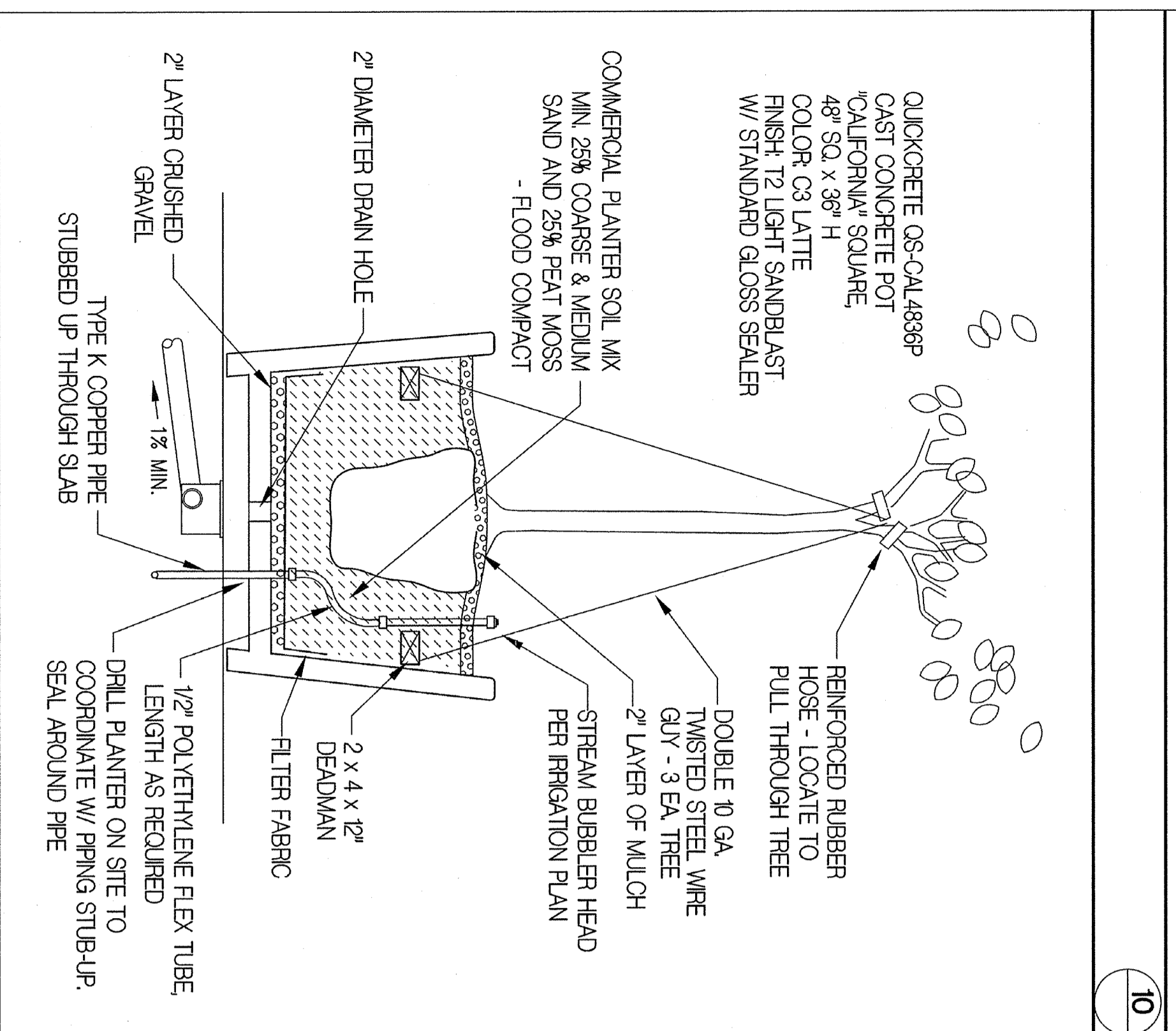
101 BACKFLOW DEVICE ENCLOSURE
NOT TO SCALE



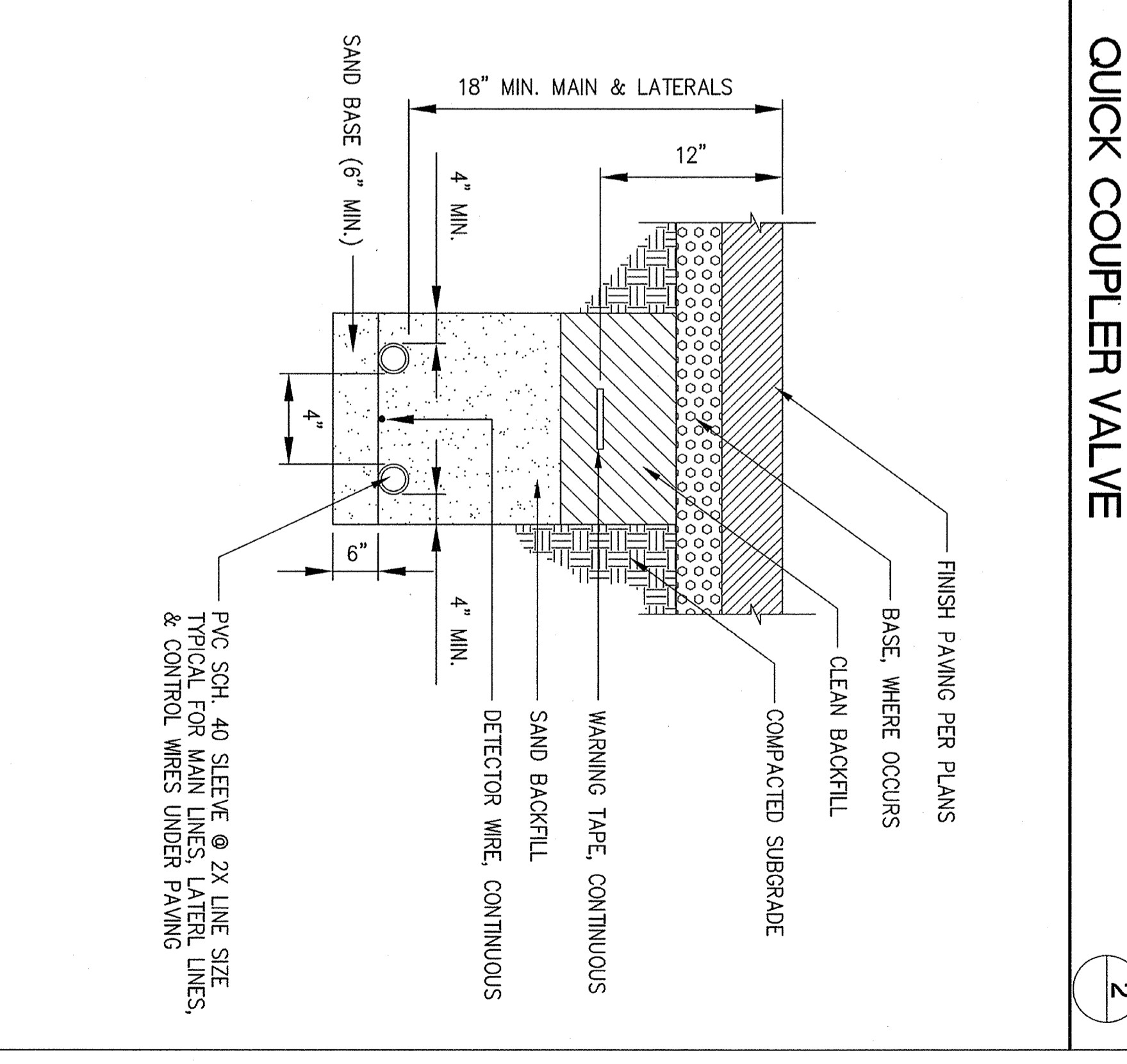
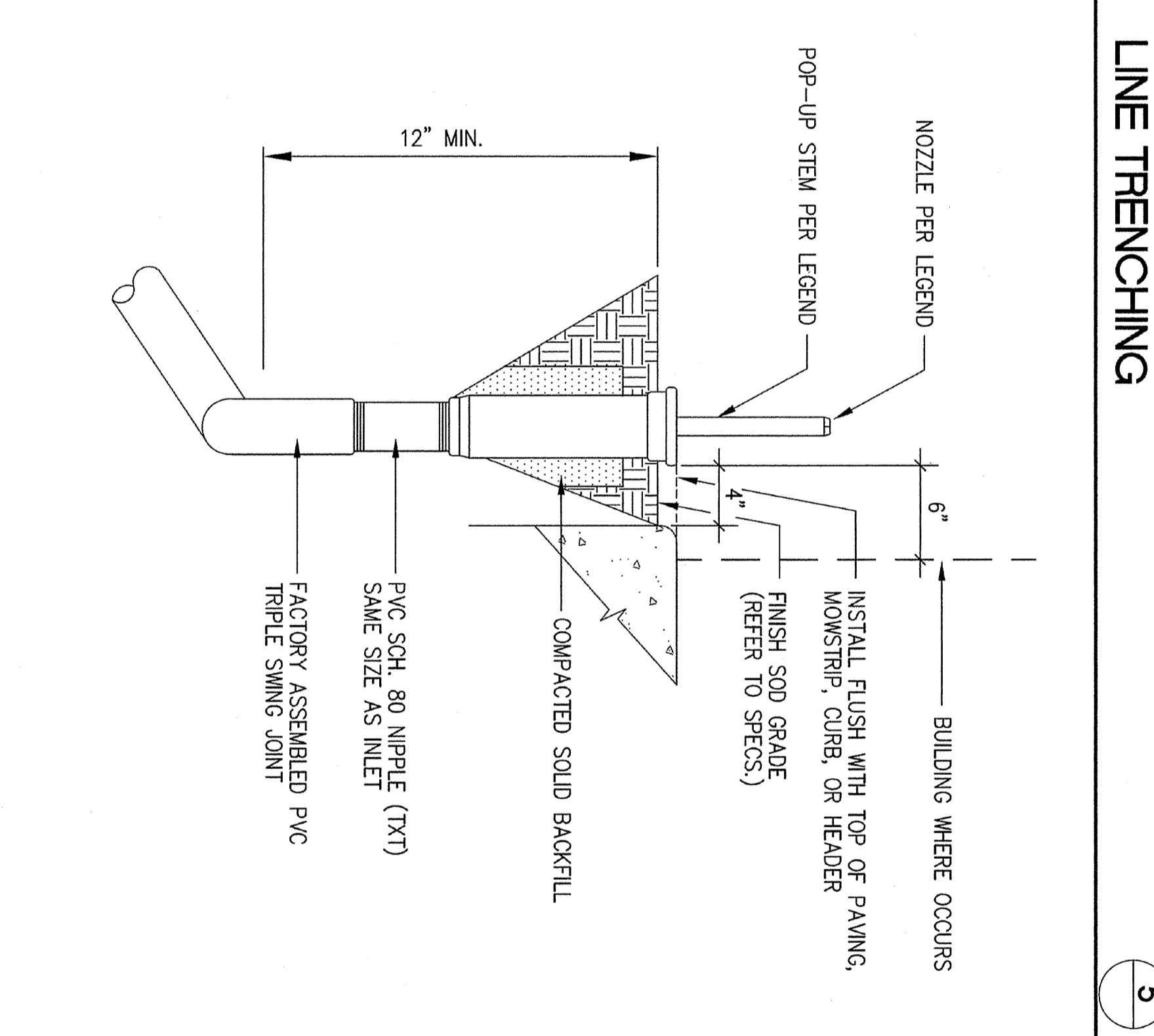
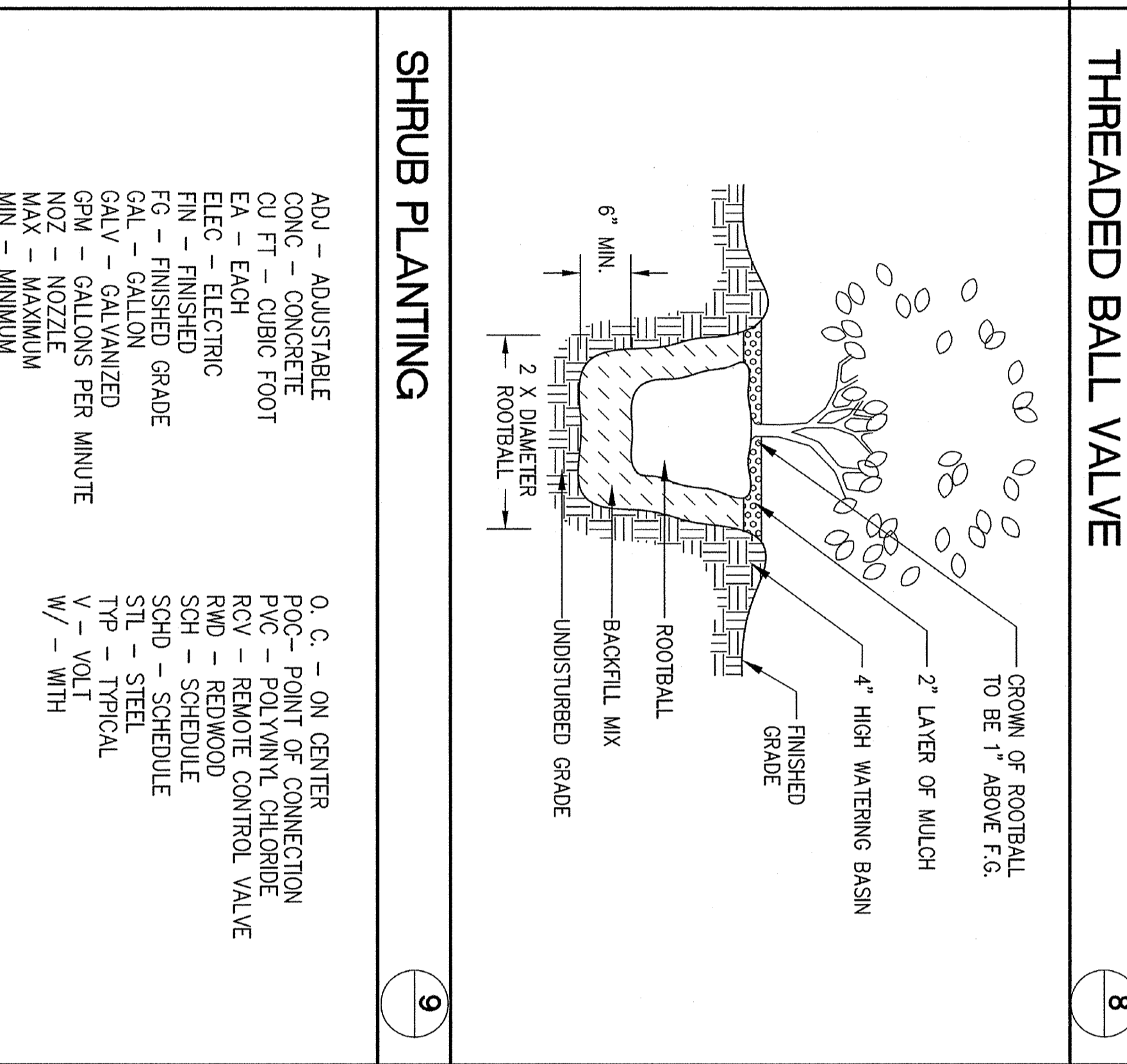
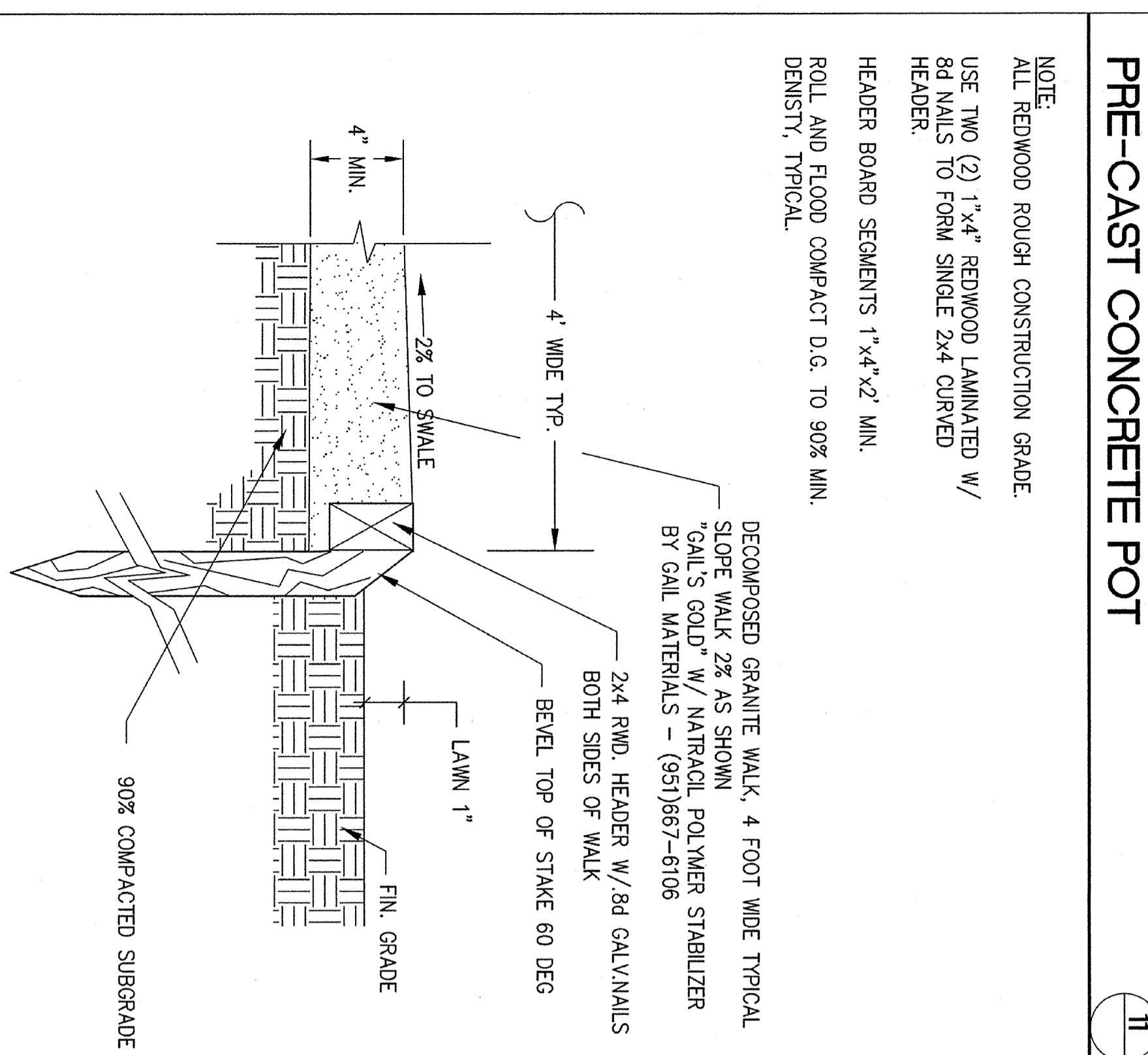
4 AUTOMATIC CONTROLLER (WALL MOUNT)



1 REMOTE CONTROL VALVE



City of Los Angeles
Department of Building and Safety
Green Building Division
This set of plans and specifications has been prepared and approved for construction with the City of Los Angeles Department of Building and Safety. This set of plans and specifications is to be used in conjunction with the City of Los Angeles Department of Building and Safety Standard Specifications for Construction of Public Works. The City of Los Angeles Department of Building and Safety is not responsible for any errors or omissions in these plans and specifications. The City of Los Angeles Department of Building and Safety is not responsible for any construction methods or materials not specified in these plans and specifications. The City of Los Angeles Department of Building and Safety is not responsible for any construction methods or materials not specified in these plans and specifications.



City of Los Angeles
Department of Building and Safety
Green Building Division
This set of plans and specifications has been prepared and approved for construction with the City of Los Angeles Department of Building and Safety. This set of plans and specifications is to be used in conjunction with the City of Los Angeles Department of Building and Safety Standard Specifications for Construction of Public Works. The City of Los Angeles Department of Building and Safety is not responsible for any errors or omissions in these plans and specifications. The City of Los Angeles Department of Building and Safety is not responsible for any construction methods or materials not specified in these plans and specifications. The City of Los Angeles Department of Building and Safety is not responsible for any construction methods or materials not specified in these plans and specifications.

Consultant
CARTER, ROMANEK
Landscape Architects, Inc.
11110 Ohio Avenue, Suite 102
Los Angeles, California 90025
(310) 477-3900 fax (310) 477-3977
email: info@crlinc.com

REVISIONS				REVISIONS			
NO	DATE	ITEM	BY	NO	DATE	ITEM	BY
1-22-04		LAST DISTRIBUTION	JCR	06-20-05		PARK REVISIONS	JCR
4-10-05		REVISED LAYOUT	JCR	2-9-05		PARK REVISIONS	JCR
5-02-05		REVISED PLAN CHECK	JCR				
09-20-05		REVISED PARK REVISION	JCR				

PLANTING AND IRRIGATION DETAILS
L-3
04/06/2012
RA-2002-005

Rodin Associates
Jerry C. Rodin, Architect, AIA
29000 S. WESTERN AVENUE, SUITE 408
RANCHO PALOS VERDES, CA 90275
OFFICE: (310) 832-3135
FAX: (310) 832-0333
E-MAIL: jcrodin@sbcglobal.net

DANIELS FIELD SKATE PARK & SPORTS CENTER DESIGN FOR:
THE CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS
BOYS & GIRLS CLUB OF SAN PEDRO
MIKE LANGING, EXECUTIVE DIRECTOR
1200 S. CABRILLO AVENUE SAN PEDRO, CA 90731
(310) 833-0807 OFFICE (310) 833-4253 FAX
845 W. 12th STREET, SAN PEDRO, CA 90731
SITE:

STATE OF CALIFORNIA
JERRY C. RODIN
LICENSED ARCHITECT
NO. 2176
R11 SEP 2 8 2012